

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of the claims in this application.

Listing of Claims:

1-256 (Cancelled)

257. (New) A medical pump configuration and activity logging system comprising:

a remote computer adapted to be in communication via a communication network with a plurality of infusion pumps to be configured for use in a plurality of clinical care areas within a medical facility;

a memory associated with the remote computer for storing a drug library including infusion pump configuration information and for storing infusion pump activity log information; and

a user interface equipped with a display and in communication with the remote computer and the memory so as to allow a user to input user-customized individual entries into the drug library and store a user-customized active worksheet of infusion pump configuration information in the memory for communication to the plurality of infusion pumps by the remote computer to establish programming/operating parameter limits on each of the plurality of infusion pumps;

wherein the memory includes data entry schema rules that must be successfully passed for validating acceptability in real time of the individual entries while the individual entries are being entered at the input device such that the user is notified instantaneously upon making an invalid entry;

wherein the data entry schema rules include: 1) individual entry data validation rules based on how the individual entry being entered compares to manufacturer-defined infusion pump capabilities for a target infusion pump of the plurality of infusion pumps, and 2) rule set

self-validation rules based on how the individual entry being entered compares logically to related operating/programming limits for a given programming/operating parameter in the drug library for a given clinical care area where the target infusion pump can be used.

258. (New) The system of claim 257 wherein the processor evaluates the individual entry being entered against the rule set self-validation rules by determining at least one of 1) whether a hard upper limit is at least as great as an upper soft limit, 2) whether the upper soft limit is at least as great as a lower soft limit, and 3) whether the lower soft limit is at least as great as a lower hard limit.

259. (New) The system of claim 257 wherein the processor generates an error message to the user on the display of the user interface as soon as any of the data entry schema rules is violated.

260. (New) The system of claim 257 wherein the active worksheet is structured to receive user input of configuration information about different types of infusion pumps.

261. (New) The system of claim 260 wherein the different types of infusion pumps include infusion pumps having a common model designation but having differing versions of pump operating software.

262. (New) The system of claim 260 wherein the different types of infusion pumps include infusion pumps of made by different manufacturers.

263. (New) The system of claim 260 wherein the different types of infusion pumps include infusion pumps having different binary formats.

264. (New) The system of claim 260 wherein the different types of infusion pumps include infusion pumps having different processors.

265. (New) The system of claim 260 wherein the different types of infusion pumps include infusion pumps having differing numbers of infusion channels thereon.

266. (New) The system of claim 257 wherein the remote computer uses an abbreviated extensible markup language format for logging activity information from a plurality of infusion pumps of different types and is thereby able to place the infusion pump activity log information in a single common database within the memory such that a user can run reports on a variety of pump types from the single common database.

267. (New) The pump of claim 257 wherein the user interface and active worksheet allow the user to copy a particular drug entry with associated rule sets assigned to a first clinical care area and paste the particular drug entry with associated rule sets into the active worksheet for use in a second clinical care area in order to reduce input requirements and errors.

268. (New) The system of claim 257 wherein the data entry schema rules are defined such that real time validation takes place on a keystroke-by-keystroke basis.

269. (New) The system of claim 257 wherein an invalid entry includes an entry that is inconsistent with a predetermined permitted number of spaces.

270. (New) The system of claim 257 wherein an invalid entry is inconsistent with a related drug library limit already entered.

271. (New) The system of claim 257 wherein an invalid entry exceeds a display accuracy range available on the infusion pump.

272. (New) The system of claim 257 wherein at least a portion of the communication network

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comprises a wireless communication network.

273. (New) The system of claim 257 wherein the user interface and active worksheet permits a minimum and maximum patient weight to be input for a particular clinical care area.

274. (New) The system of claim 258 wherein at least one of the upper hard limit, upper soft limit, lower soft limit and lower hard limit can be selectively designated as none or inapplicable by the user via the user interface.